CPC COOPERATIVE PATENT CLASSIFICATION

H05G

X-RAY TECHNIQUE (apparatus for radiation diagnosis <u>A61B 6/00</u>; X-ray therapy <u>A61N</u>; testing by X-rays <u>G01N</u>; apparatus for X-ray photography <u>G03B</u>; filters, conversion screens, microscopes <u>G21K</u>; X-ray tubes <u>H01J 35/00</u>; TV systems having X-ray input <u>H04N 5/321</u>)

WARNING

The following IPC group is not used in the CPC scheme. $\underline{\text{H05G 1/61}}$ covered by $\underline{\text{H05G 1/60}}$

Guide heading:

H05G 1/00	X-ray apparatus involving X-ray tubes circuits therefor	
H05G 1/02	. Constructional details	
H05G 1/025	{ Means for cooling the X-ray tube or the generator }	
H05G 1/04	Mounting the X-ray tube within a closed housing	
H05G 1/06	X-ray tube and at least part of the power supply apparatus being mounted within the same housing	
H05G 1/08	. Electrical details	
H05G 1/085	{ Circuit arrangements particularly adapted for X-ray tubes having a control grid }	
H05G 1/10	Power supply arrangements for feeding the X-ray tube {supply circuits with converters in general H02M; supply circuits for emitters and amplifiers H04B 1/16 to H04B 1/1623}	
H05G 1/12	with dc or rectified single-phase ac {or double-phase }	
H05G 1/14	with single-phase low-frequency ac {also when a rectifer element is in series with the X-ray tube }	
H05G 1/16	Reducing the peak-inverse voltage	
H05G 1/18	with polyphase ac of low frequency {rectified }	
H05G 1/20	with high-frequency ac with pulse trains { (pulse generators in general H03K 3/00, H03K 4/00) }	
H05G 1/22	with single pulses	
H05G 1/24	Obtaining pulses by using energy storage devices (pulse generators <u>H03K</u>) {current and voltage pulse generators <u>H03K 3/53</u> }	
H05G 1/26	 Measuring, controlling, protecting (measuring electric values <u>G01R</u>; measuring X-ray intensity <u>G01T</u>) 	
H05G 1/265	{ Measurements of current, voltage or power }	
H05G 1/28	Measuring or recording actual exposure time Counting number of exposures Measuring required exposure time	
H05G 1/30	Controlling	

H05G 1/32		supply voltage of the X-ray apparatus or tube (regulating supply without reference to operating characteristics of the apparatus <u>G05F</u>) {voltage regulation in general <u>G05F</u> }
H05G 1/34		anode current, heater current, heater voltage of X-ray tube (regulating supply without reference to operating characteristics of the apparatus $\underline{\text{G05F}}$) {current regulation in general $\underline{\text{G05F}}$ }
H05G 1/36		temperature of anode brightness of image {power (electrical temperature regulating in general G05D 23/19) }
H05G 1/38		exposure time {time switches in general H01H 43/00 and subgroups }
H05G 1/40		using adjustable time-switch
H05G 1/42		using arrangements for switching when a predetermined dose of radiation has been applied, e.g. in which the switching instant is determined by measuring the electrical energy supplied to the tube
H05G 1/44		in which the switching instant is determined by measuring the amount of radiation directly {dosimetry in general $\underline{\text{GO1T 1/02}}$ }
H05G 1/46		Combined control of different quantities, e.g. exposure time as well as voltage or current
H05G 1/48		Compensating the voltage drop occurring at the instant of switching-on of the apparatus (regulating supply without reference to the operating characteristics of the apparatus $\underline{\text{G05F}}$) {voltage regulation in general $\underline{\text{G05F}}$ }
H05G 1/50		Passing the tube current only during a restricted portion of the voltage waveform
H05G 1/52		target size or shape direction of electron beam, e.g. in tubes with one anode and more than one cathode
H05G 1/54		Protecting { or lifetime prediction } (overload protection combined with control 405G 1/46)
H05G 1/56		cching-on cching-off
H05G 1/58	e.g.	cching arrangements for changing-over from one mode of operation to another, from radioscopy to radiography, from radioscopy to irradiation { or from one evoltage to an other }
H05G 1/60		uit arrangements for obtaining a series of X-ray photographs or for X-ray matography
H05G 1/62		uit arrangements for obtaining X-ray photography at predetermined instants in movement of an object, e.g. X-ray stroboscopy
H05G 1/64	Circ	uit arrangements for X-ray apparatus incorporating image intensifiers
	WA	RNING
	Mat	erial provisionally in 97DP27; image intensifiers H01J 31/00
H05G 1/66	Circ	uit arrangement for X-ray tubes with target movable relatively to the anode
H05G 1/68		uit arrangements for Lilienfield tubes uit arrangements for gas-filled X-ray tubes
H05G 1/70	Circ	uit arrangements for X-ray tubes with more than one anode uit arrangements for apparatus comprising more than one X ray tube { or more one cathode (H05G 1/58 takes precedence) }
H05G 2/00	Apparatus	s or processes specially adapted for producing X-rays, not involving

X-ray tubes, e.g. involving generation of a plasma (X-ray lasers $\underline{\text{H01S 4/00}}$; plasma technique in general $\underline{\text{H05H}}$)

H05G 2/001	• { X-ray radiation generated from plasma (plasma for generation of electrons to be accelerated towards an anode <u>H01J 35/00</u>) }
H05G 2/003	{ being produced from a liquid or gas }
H05G 2/005	{ containing a metal as principal radiation generating component }
H05G 2/006	{ details of the ejection system, e.g. constructional details of the nozzle }
H05G 2/008	{ involving a beam of energy, e.g. laser or electron beam in the process of exciting the plasma }